



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4652-5
Job Sheet 167111



Part No: D4652-5

Job Qty: 160 ea

Part Name: Air Valve, 1.25 Id Disk Type



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/24/17

Job Tracking No:

Due Date: 11/17/17

Created By: Mario Poulin

Type: Stock

Description:

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
100	Purchasing	160 pcs		11/17/17	0.00	0.00	Purchasing	
110	Packaging	160 pcs		11/17/17	0.00	0.00	Packaging2	DAS
120	QC	160 pcs		11/17/17	0.00	0.00	QC6	38
130	Packaging	160 pcs		11/17/17	0.00	0.00	Packaging3	NOV 23 2017
140	QC21-SA	160 Ea		11/17/17	0.00	0.00	QC21	9-0

Part Op Descriptions: 100 - Issue P/O: 038144 Purchase Part Number: AV357304-2 Note:d4652-3 is included in the -5

OCT 25 2017 NOV 23 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	AV357304-2	160	0	0	0

Part Specifications

Specifications could not be found.

Plex 10/24/17 4:15 PM dart.poulin.mario

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



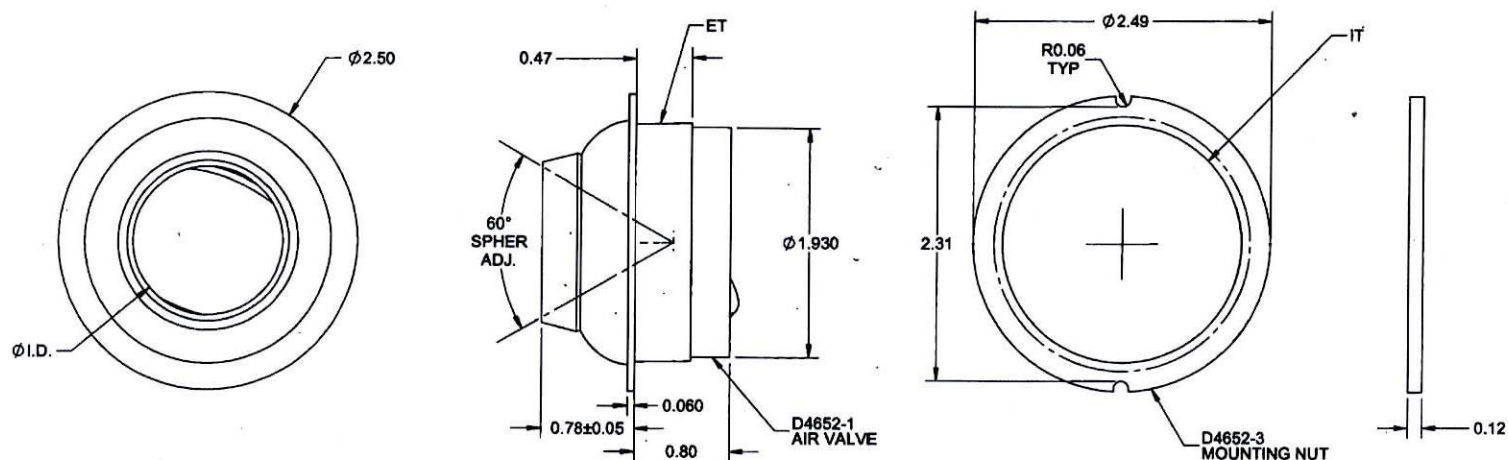
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						

SPECIFICATION CONTROL DRAWING



D4652-X AIR VALVE/MOUNTING NUT

DART PART NUMBER	DESCRIPTION	VENDOR	VENDOR PART NUMBER	MATERIAL	FINISH	INSIDE DIAMETER "ID"	MOUNTING NUT TYPE	EXTERNAL THREAD "ET"	INTERNAL THREADS "IT"	WEIGHT (lbs)
D4652-1	AIR VALVE	BIRK AEROSPACE CORPORATION	AV364302	ALUMINUM	QCP820 SATIN BLACK	1.25	ALUMINUM	2.00-24 UNS-2A	N/A	0.08
D4652-3	MOUNTING NUT	BIRK AEROSPACE CORPORATION	MN8005-1	ALUMINUM	QCP820 SATIN BLACK	N/A	ALUMINUM	N/A	2.00-24 UNS-2B	0.02

NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: PER TABLE
- 8) PURCHASE VENDOR ASSEMBLY P/N AV364302-QCP820. VENDOR ASSEMBLY INCLUDES AV364302 AND MN8005-1

OCT 25 2017
 13
 9-89
 2015 JAN 26
 ECN 14-634
 w/o. 167111

D	REMOVED STRAIGHT KNURL FROM D4652-1; ADDED D4652-5 (ZN B8-2)	RF	14.09.22
C	REVISE VENDOR P/N AND SPECIFICATIONS (ZN B4-1, B5-1, B6-1 & A8-1)	RF	13.11.08
B	ADD P/N TABLE/DESCRIPTION	RF	12.11.30
A	NEW ISSUE	RF	12.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED	VS		
MFG. APPR.	DD		
APPROVED	HS		
DE APPR.	DS		
DATE	14.09.22		

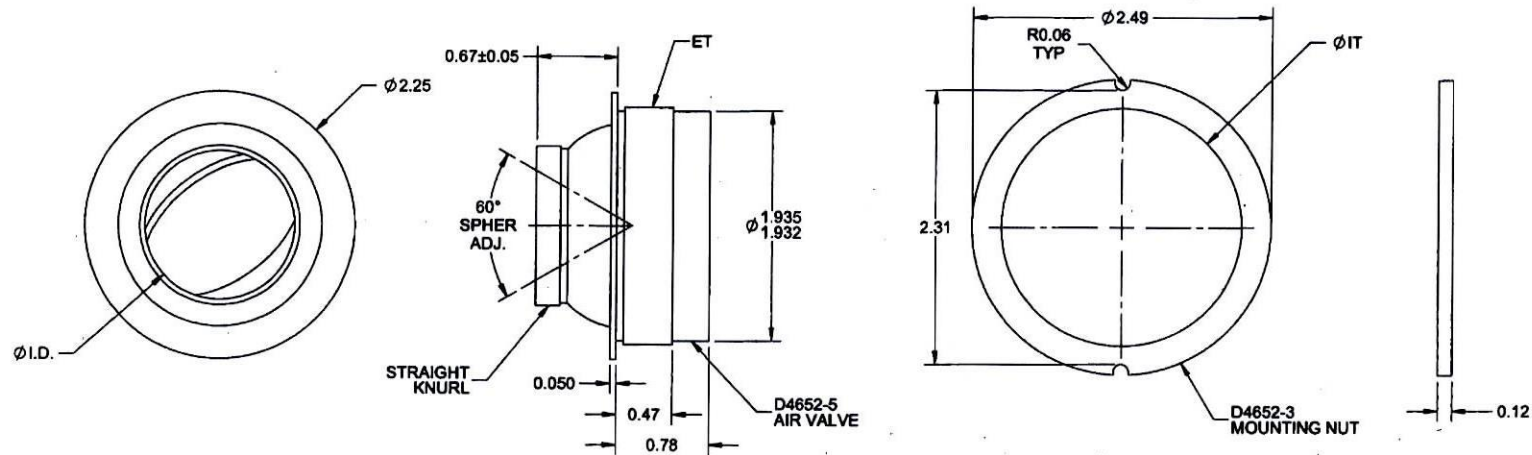
APPROVED

DART AEROSPACE LTD
 HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D4652** REV. D
 TITLE **AIR VALVE** SCALE NTS

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SPECIFICATION CONTROL DRAWING



D4652-X AIR VALVE/MOUNTING NUT

DART PART NUMBER	DESCRIPTION	VENDOR	VENDOR PART NUMBER	MATERIAL	FINISH	INSIDE DIAMETER "ID"	MOUNTING NUT TYPE	EXTERNAL THREAD "ET"	INTERNAL THREADS "IT"	WEIGHT (lbs)
D4652-3	MOUNTING NUT	BIRK AEROSPACE CORPORATION	MN8005-1	ALUMINUM	QCP820 SATIN BLACK	N/A	ALUMINUM	N/A	2.00-24 UNS-2B	0.02
D4652-5	AIR VALVE	BIRK AEROSPACE CORPORATION	AV357304-2	ALUMINUM	FINE SATIN TEXTURE BLACK ANODIZE	1.25	ALUMINUM	2.00-24 UNS-2A	N/A	0.12

NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: PER TABLE
- 8) PURCHASE VENDOR ASSEMBLY P/N AV357304-2.
VENDOR ASSEMBLY INCLUDES AV357304-2 AND MN8005-1

RELEASED
2015 JAN 26

APPROVED

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	VS	DRAWING NO.	REV. D
MFG. APPR.	DD	D4652	SHEET 2 OF 2
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	AIR VALVE	NTS
DATE	14.09.22	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038144

Supplier: BIR001-VU
Birk Aerosystems Corporation
14321 Commercial Drive
Garden Grove, CA 92843 USA
Phone: 714-554-9782
Fax: 714-554-3659

PO No: PO038144
PO Date: 10/25/17
Due Date: 11/29/17
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

E-MAILED
10/25/17

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items													
Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	AV357304-2	-			Air Valve (Black Anodize) As per Dwg D4652 Rev D		Firmed	11/29/17	160 pcs	0 pcs	160 pcs	\$137.85/pcs	\$22,056.00
Line Item Note Job# 167111													
2	PC7041-1	-			Plenum Cap Assembly As per Dwg D4646 Rev. A		Firmed	11/29/17	155 pcs	0 pcs	155 pcs	\$11.42/pcs	\$1,770.10
Line Item Note Job# 167110													
3	MN8005-1	-			Mounting Nut As per Dwg D4652 Rev. D		Firmed	11/29/17	170 Ea	0 Ea	170 Ea	\$14.65/Ea	\$2,490.50
Line Item Note Job# 167163													
Grand Total:												\$26,316.60	

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

CL
[Signature]
JLB

BAC**BIRK AEROSYSTEMS CORPORATION**

14321 Commerce Drive

Garden Grove, California 92843

Telephone: (714) 554-9782 Telefax: (714) 554-3659

DATE: 11/16/17

CUSTOMER PO: PO038144

SHIPPER NO.: DAR171116A

CERTIFICATE OF CONFORMITY / PACKING LIST

SHIP TO: **DART AEROSPACE LTD**
1270 ABERDEEN
HAWKESBURY ON K6A 1K7
Canada

PO ITEM	PRODUCT NO.	DESCRIPTION	QUANTITY		LOT CODE	LOT QTY	SERIAL NO.
			ORDERED	SHIPPED			
1	AV357304-2	AIR VALVE (BLACK ANODIZE) (REV. A)	160	160	1711481 MFG: 1746	160	SP 17-11-20
2	PC7041-1	PLENUM CAP ASSY (REV. -)	155	155	1711404 MFG: 1746	155	-
3	MN8005-1	MOUNTING NUT (REV. -)	170	170	1711402 MFG: 1746	170	-
VALUE FOR CUSTOMS: \$26316.60 USD Country of Manufacture: United States							

CLAIMS FOR SHORTAGES OR MATERIAL DISCREPANCY MUST BE MADE WITHIN 15 DAYS AFTER DATE SHIPPED.

CERTIFICATE OF CONFORMANCE: THIS IS TO CERTIFY THAT THE PARTS FURNISHED ON THIS ORDER HAVE BEEN FUNCTIONALLY TESTED IN ACCORDANCE WITH STANDARD PROCEDURES DEFINED BY BAC. MATERIAL AND/OR PARTS FURNISHED IN THIS ORDER HAVE BEEN MANUFACTURED IN ACCORDANCE WITH ALL APPLICABLE INSTRUCTIONS AND SPECIFICATIONS. PHYSICAL AND CHEMICAL DATA WHICH PERTAINS TO THIS ORDER ARE AVAILABLE FOR INSPECTION.

QTY VERF

**FEDEX INT'L COLLECT/2BOXES@#35, #10**

Alex Brinney
QUALITY CONTROL INSPECTOR

DART
AEROSPACE
S011755



Air Valve, 1.25 Id Disk Type

PART NO: D4652 - 5
Revision:
Operation: Purchasing
Change No:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Mfg Date: 11/20/17
Job No: 167111